

**ARIZONA GAME AND FISH DEPARTMENT  
HABITAT PARTNERSHIP COMMITTEE  
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

Game Branch / HPC Project Number: 12-217

**PROJECT INFORMATION**

**Project Title:** Dog Knobs Water Catchment Repair

**Region and Game Management Unit:** Region II / GMU 7W

**Local Habitat Partnership Committee (LHPC):**

- Williams-Flagstaff

**Was the project presented to the LHPC?**

**YES**☐ **NO**☒ Discussed with Tom Mackin and he concurred with the need

**Has this project been submitted in previous years?** **YES**☐ **NO**☒

**If Yes, was it funded?** **YES**☐ **NO**☐ → **Funded HPC Project #(s):**

**Project Type:** Water development apron repair

**Brief Project Summary:** Dog Knobs catchment repair

**Big Game Wildlife Species to Benefit:** Elk, mule deer, bears, wild turkey, pronghorn

**Implementation Schedule** (Month/Day/Year):

Project Start Date:

June 2013

Project End Date:

October 2013

**Environmental Compliance:**

NEPA Completed: **Yes**☐ **No**☐ **N/A**☒

Projected Completion Date: Rehabilitate within existing footprint

State Historic Preservation Office - Archaeological Clearance:

**Yes**☐ **No**☐ **N/A**☒

Projected Completion Date: \_\_\_\_\_

Arizona Game and Fish Department EA Checklist: **N/A**☒

To be Completed by: \_\_\_\_\_

Projected Completion Date: \_\_\_\_\_

**PROJECT FUNDING**

**Special Big Game License Tag Funds Requested:**

**\$ 10,000**

**Cost Share or Matching Funds:**

**\$ 5,000**

**Total Project Costs:**

**\$ 15,000**

**PARTICIPANT INFORMATION**

**Applicant** (please print):

Arizona Elk Society – Jim deVos and Steve Clark

**Address:**

P.O Box 190  
Peoria, AZ 85380

**E-mail:**

jdevos@cableone.net

**Telephone:** 928-420-6449

**Date:** 9-4-2012

**AGFD Contact and Phone No.** (If applicant is not AGFD personnel): Matt Padilla and Larry Phoenix – 928-774-5045

**Project has been coordinated with:** Tom Mackin, Flagstaff-Williams HPC, Matt Padilla, AZGFD  
John DeLuca, Kaibab National Forest, Discussed with Ed Jarhke, AZGFD

### **NEED STATEMENT – PROBLEM ANALYSIS:**

Water developments for wildlife has been an active program initiated by the AZGFD nearly 70 years ago with nearly 1,000 developments completed statewide since. One of the key issues related to wildlife waters is that over the years there have been a number of different designs used, some of which are not dependable. Given the number of these developments in the AZGFD Region II area and the limited resources the Department has to provide maintenance of these valued resources, assistance from interested Wildlife Conservation Organizations is essential. In fact, this need was one of the key issues that were identified as a programmatic need by the AZGFD Water Development Team.

Not only have water that are built specifically for wildlife been a maintenance issue, but waters that have been built as dual purpose (livestock and wildlife) are also in great need of maintenance as many ranches are being converted from active livestock operations to more corporate-owned allotments where infrastructure maintenance is being neglected and water features are no longer functional (Billy Cordasco, President, , Pers. Comm.). These two factors amplify the need for WCO assistance in maintaining and repairing wildlife waters.

Dog Knobs is a facility that was put in place decades ago and has a very large capacity storage tank but the apron is in substantial disrepair. As a result, in order for the facility to provide water for wildlife, water must be hauled to the location and dumped into the tank, a proposition that is both costly and time consuming. Further, if no entity is able to haul water to the location, the facility dries and no water is available to wildlife that use the area. Recently, AES personnel added a new drinker to the site and repaired the fence to preclude livestock use, so moving to repairing the apron is a logical next step and critical to wildlife in the area. To avoid similar problems with this apron as to what has occurred, the apron repair will conform to the most current design standards provided by AZGFD.

### **PROJECT OBJECTIVES:**

To provide an apron that will dependably catch water for a wide variety of wildlife species. We will use a combination of volunteer labor and contractor services to complete repair of the apron consistent with AZGFD specifications.

### **PROJECT DESCRIPTION AND STRATEGIES:**

The apron at Dog Knobs is in disrepair and in need of repair, which will entail installing an apron infrastructure per the AZFGD design as directed by AZGFD maintenance personnel. We will use materials that conform to current AZGFD standards to refurbish the existing apron frame, which currently consists of a perimeter of steel with sheet, corrugated steel originally attached. From a design standpoint, the apron was laid on native soil that did not provide sufficient structural integrity. We will stay within the footprint of this structure and provide cross bracing to ensure, to the extent possible, that the repaired apron will be as permanent as practical.

Our approach will be as follows:

1. Coordinate field trip with Development Crew, Matt Padilla, WM, Larry Phoenix, Field

Supervisor

2. Coordinate procurement of appropriate material
3. Implement field repair of apron

**PROJECT LOCATION:**

Dog Knobs Catchment in Unit 7W within the Kaibab National Forest

**LAND OWNERSHIP AT THE PROJECT SITE(S):**

(if the project area is private property, please state specifically and provide the landowner's name)

- US Forest Service

*IF PRIVATE PROPERTY, IS THERE A COOPERATIVE BIG GAME STEWARDSHIP or LANDOWNER AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?*

YES[] NO[] N/A[X]

**HABITAT DESCRIPTION:**

The majority of the area is comprised of an interspersed pinyon-juniper-ponderosa pine forest adjacent to the IDA grassland, which is being rehabilitated. This area is used extensively by a variety of wildlife including elk, pronghorn, wild turkey, and mule deer for either year-round or winter use depending on the species.

**ITEMIZED USE OF FUNDS:**

Special Big Game License Tag Funds

Procurement of materials to be used to repair the apron to AZGFD standards and for limited contractor services.

Cost Share or Matching Funds (for volunteer labor rates please refer to the worksheet below)

Volunteers will not receive a salary for their efforts but their labor will be counted towards Cost Share at \$14.14/per hour. We will expend approximately 350 hours in the planning, coordination, and implementation of this project.

**LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:**

U. S. Forest Service – Coordination

Matt Padilla, Wildlife Manager – 7 W. Matt has listed this catchment as one of the facilities in his district as needing repair.

Tom Mackin – FONAF, RMEF

Claire Harris - RMEF

**WOULD IMPLEMENTATION OF THIS PROJECT ASSIST IN PROVIDING, MAINTAINING, OR FACILITATING RECREATIONAL ACCESS?**

YES[] NO[X] N/A[]

**PROJECT MONITORING PLAN:**

Jim deVos will monitor and report to cooperators as needed.

**PROJECT MAINTENANCE:**

This is a segment of an on-going program that the AES has implemented in coordination with Region II personnel and persons associated with FONAF and RMEF. Currently, the need for repair is extreme, however, with the proposed improvements; we anticipate that maintenance will be fractional compared to current conditions.

**PROJECT COMPLETION REPORT TO BE FILED BY:**

Jim deVos, Director of Conservation Affairs  
Arizona Elk Society

## **ARIZONA GAME AND FISH DEPARTMENT WATER DEVELOPMENT WORKSHEET**

**PROJECT TITLE:** Dog Knobs Water Catchment Repair

- 1) **Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?”**

Wildlife Manager Matt Padilla has listed this water as one of the priority waters in a memo dated August 8, 2012.

- 2) **Please list the Development Branch personnel and date coordinated with for this project.**  
Discussed with Ed Jarhke on 9-4-2012

- 3) **What is the estimated annual inches of precipitation for the area? (mark one)**  
☐2-4   ☐4-6   ☐6-8   ☐8-10   ☐10-12   ☐12-14   ☒14-16   ☐ >16

- 4) **Is there a perennial water source available to big game within four miles of this project?**  
YES ☐ (please complete #5 below)   NO ☒ (skip #5 below)  
Wildlife waters within this radius are not perennial due to needing repair also.

- 5) **For the accessible, perennial water source nearest this project:**

Name of water source:

Type of water source (catchment, spring, dirt tank):

Ownership of water source:

Distance in miles from project:

- 6) **Is the target wildlife species a result of transplant efforts?** YES ☐   NO ☒

- 7) **Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument). If private land, list landowner.**

- 8) **Please provide the following information about access to the proposed site:**

Type of access (mark one): ☒2x4 vehicles   ☐4x4 only   ☐foot only\*\*

\*\*If foot access only: Distance in miles: \_\_\_\_\_ Approximate hiking time: \_\_\_\_\_

-- Does access to this site require crossing private or tribal lands? YES ☐ NO ☒

-- Please describe any restrictions to public access: None

- 9) **Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.**

The current apron is approximately 50 feet X 50 feet. We propose using steel studs and 2” X 2” for bracing in the design currently specified by AZGFD

- 10) **Was a site visit completed?** Yes ☒   No ☐

If Yes, please list personnel that attended and date.

Jim deVos, AES

Dan Bradford, AES

Matt Padilla, AZGFD